

506, 727

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
12 September 2003 (12.09.2003)

PCT

(10) International Publication Number  
**WO 03/074017 A1**

- (51) International Patent Classification<sup>7</sup>: **A61K 7/16**
- (21) International Application Number: PCT/EP03/00411
- (22) International Filing Date: 16 January 2003 (16.01.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
02004880.7 4 March 2002 (04.03.2002) EP
- (71) Applicant (*for all designated States except US*): **SOCIETE DES PRODUITS NESTLE S.A.** [CH/CH]; P.O. Box 353, CH-1800 Vevey (CH).
- (72) Inventors; and  
(75) Inventors/Applicants (*for US only*): **BRAUN, Marcel** [CH/CH]; Höhenweg 5, CH-3510 Konolfingen (CH). **ERDMANN, Peter** [DE/CH]; Klaraweg 7, CH-3006 Bern (CH).
- (74) Agent: **STRAUS, Alexander**; Becker, Kurig, Straus, Bavariastrasse 7, 80336 Munich (DE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— *with international search report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: STABILIZING cGMP IN AQUEOUS FORMULATION

(57) **Abstract:** The present invention relates to a method of stabilizing caseino-glycomacropeptide (cGMP) in aqueous formulations and reducing an off-flavor formation. In particular, the present invention comprises a formulation, having a pH below about 6 and/or comprising a hydrophobic resin and/or an off-flavor masking substance and/or agents blocking functional groups in the caseino-glycomacropeptide.

WO 03/074017 A1